

AMENDMENTS TO THE SPECIFICATION:

Please cancel the originally-filed Abstract of the Disclosure, and add the accompanying new Abstract of the Disclosure which appears on a separate sheet in the Appendix.

Please add the following new paragraphs before the heading "SUMMARY OF THE INVENTION" on line 16 of page 3:

-- EP 0 475 713 A describes an electrophoresis apparatus in relation to the problem of preventing the high separation potentials used from interfering with the detection process.

According to this document the problem of interference between the separation system and the detection system is solved by providing an end-column detector. This limits the voltage present on the detector electrodes due to the separation voltage, by placing the detector electrode close to the separation voltage negative electrode. With such an end-column detector there is no need to isolate the sensing electrode from the high electric field needed for electrophoresis because the voltage drop outside the bore of the capillary is negligible. --